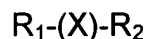


IN THE CLAIMS

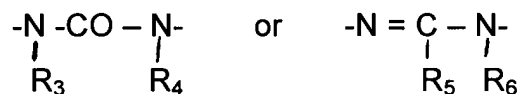
Claim 1. (Currently Amended) A stable o/w microemulsion comprising

(i) between about 0.01 and about 10 wt. % of a concentrate formulation containing:

(a) between about 0.05 and about 25 wt. % of at least one active aza compound selected from the group consisting of Amitraz and an aza compound having the formula:



wherein one of R_1 and R_2 is alkenylphenyl, aminophenyl or a sulfur- and/or nitrogen-containing heterocyclic radical containing 3 to 5 carbon atoms in a 4 to 6 membered ring and the other of R_1 and R_2 is the same or is selected from the group consisting of amidosulfuron, phenyl, sulfonylphenyl, phenyloxy and phenyloxysulfonyl where said phenyl radicals and said heterocyclic radicals of R_1 and R_2 are optionally substituted with lower alkyl, halo, haloalkyl, cyano, C_1 to C_4 alkyl ether, C_1 to C_4 ester, carboxyl, ketone amido and amino and X is :



where R_3 , R_4 , R_5 and R_6 are each individually selected from the group consisting of hydrogen, lower alkyl, cyano, and amino,

(b) between about 2 and about 40 wt. % of a lipophilic lactam selected from the group consisting of C_8 to C_{18} N-alkyl pyrrolidone, C_8 to C_{18} alkyl caprolactam and a mixture thereof,

(c) between about 2 and about 20 wt. % of a moisture scavenging agent selected from the group consisting of a hindered carbopolyimide, a molecular sieve and a mixture thereof,

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(d) between about 10 and about 80 wt. % of a lipophilic/hydrophilic mixture of having an overall HLB of 7 to 20, comprising at least two emulsifiers wherein at least one of said emulsifiers in the mixture are non-ionic and

(e) between 0 and about 15 wt. % of an aromatic oil;

(ii) between about 90 and about 99.99 wt.% water and

(iii) between about 0.01 and about 5 wt.% of an alkaline buffering agent selected from the group consisting of a Na, K and/or ammonium salt of a weak acid, a polyalkanol amino C₁ to C₄ alkane, a polyamine salt of a weak acid, a Na, K and/or ammonium salt of a phenol or polyphenol, an amine salt of a weak acid and a mixture of the foregoing buffering agents **to adjust the pH of the microemulsion to 8-11.**

Claim 2. (Original) The microemulsion of claim 1 wherein the buffering agent is a Na, K or ammonium salt of a weak acid selected from the group consisting of carbonic, malonic, malic, succinic, glutaric, boric acid and mixtures thereof.

Claim 3. (Original) The microemulsion of claim 2 wherein the buffering agent is a carbonate salt or a mixture of carbonate and bicarbonate salts.

Claim 4. (Amended with this Amendment) The microemulsion of claim ~~3~~ 2 wherein said salt is a sodium salt.

Claim 5. (Original) The microemulsion of claim 1 wherein the aza compound is selected from the group of a sulfuron and amitraz.

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Claim 6. (Original) The microemulsion of claim 1 which contains between about 0.1 and about 2 wt.% of said buffering agent.

Claim 7. (Original) The microemulsion of claim 1 which contains between about 0.2 and about 1 wt.% of said buffering agent.

Claim 8. (Original) The microemulsion of claim 1 containing between about 0.02 and about 5.0 wt. % of said concentrate.

Claim 9. (Previously Amended) The microemulsion of claim 8 wherein said concentrate contains between about 8 and about 15 wt. % (a); between about 15 and about 30 wt. % (b); between about 7 and about 15 wt. % (c) and between about 65 and about 78 wt. % (d).

Claim 10. (Cancelled with this Amendment).

Claim 11. (Cancelled with this Amendment).

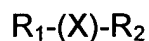
Claim 12. (Previously Amended) The application of the microemulsion of one of claims 1, 6, 7 or 9 in a biocidal amount to livestock by dip or by spray.

Claim 13. (Cancelled with this Amendment).

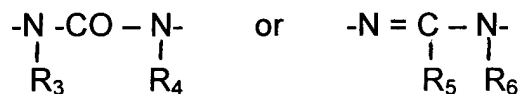
Claim 14. (Newly added with this Amendment). A stable o/w microemulsion comprising

(i) between about 0.01 and about 10 wt. % of a concentrate formulation containing:

(a) between about 0.05 and about 25 wt. % of at least one active aza compound selected from the group consisting of Amitraz and an aza compound having the formula:



wherein one of R_1 and R_2 is alkenylphenyl, aminophenyl or a sulfur- and/or nitrogen-containing heterocyclic radical containing 3 to 5 carbon atoms in a 4 to 6 membered ring and the other of R_1 and R_2 is the same or is selected from the group consisting of amidosulfuron, phenyl, sulfonylphenyl, phenyloxy and phenyloxysulfonyl where said phenyl radicals and said heterocyclic radicals of R_1 and R_2 are optionally substituted with lower alkyl, halo, haloalkyl, cyano, C_1 to C_4 alkyl ether, C_1 to C_4 ester, carboxyl, ketone amido and amino and X is :



where R_3 , R_4 , R_5 and R_6 are each individually selected from the group consisting of hydrogen, lower alkyl, cyano, and amino,

(b) between about 2 and about 40 wt. % of a lipophilic lactam selected from the group consisting of C_8 to C_{18} N-alkyl pyrrolidone, C_8 to C_{18} alkyl caprolactam and a mixture thereof,

(c) between about 2 and about 20 wt. % of a moisture scavenging agent selected from the group consisting of a hindered carbopolyimide, a molecular sieve and a mixture thereof,

(d) between about 10 and about 80 wt. % of a lipophilic/hydrophilic mixture of having an overall HLB of 7 to 20, comprising at least two emulsifiers wherein at least one of said emulsifiers in the mixture are non-ionic;

(ii) between about 90 and about 99.99 wt.% water and

(iii) between about 0.01 and about 5 wt.% of an alkaline buffering agent selected from the group consisting of a Na, K and/or ammonium salt of a weak acid, a polyalkanol amino C₁ to C₄ alkane, a polyamine salt of a weak acid, a Na, K and/or ammonium salt of a phenol or polyphenol, an amine salt of a weak acid and a mixture of the foregoing buffering agents and

(iv) between about 5 and about 12 wt.% of an aromatic oil selected from the group of an alkyl naphthalene, a hydrogenated alkyl naphthalene and a mixture thereof.